

## Technical Datasheet

### Ecolin® AF

### Reinforcing Filler

#### Product Characteristics:

- A bio-based, renewable product derived from Cotton Stalk and Bagasse.
- Rich in aromatic and phenolic structures.
- Capable of interacting with rubber matrices via hydrogen bonding and covalent bonding.
- Enables carbon footprint reduction and supports green material innovation in the Rubber Industries.

#### Chemical Properties:

Sr. No.	Characteristics	Test Method	Typical Value
1	Bulk Density	ASTM D1895	0.84 g/cc
2	Particle Size	ASTM B822	9-10 µm
3	PH	ASTM D1512-21 (10% Slurry)	6 to 7
4	Moisture	ASTM D 297	<1%
5	Ash Content		>50%

#### Applications

- Tyre, Seals and gaskets, Hoses and tubing, Conveyor belts, Rubber Sheets, Adhesives and sealants, Rubber rollers & Moulded Goods.

#### Usage

- Use **Ecolin® AF** at 50% by weight of the total carbon black content to achieve optimal performance as a partial replacement, while maintaining comparable mechanical and processing properties.

#### Shelf life and Storage Conditions

- Expected Shelf life is minimum 3 year in original unopened packaging.
- Product should be stored in Air tight condition in a cool place, away from the sunlight.
- Avoid heavy stacking of the product.

The information provided in this tds is based on our current knowledge and experience. Users should conduct their own tests to determine suitability for specific applications.

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